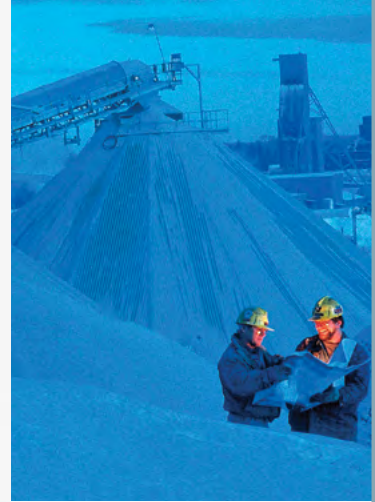


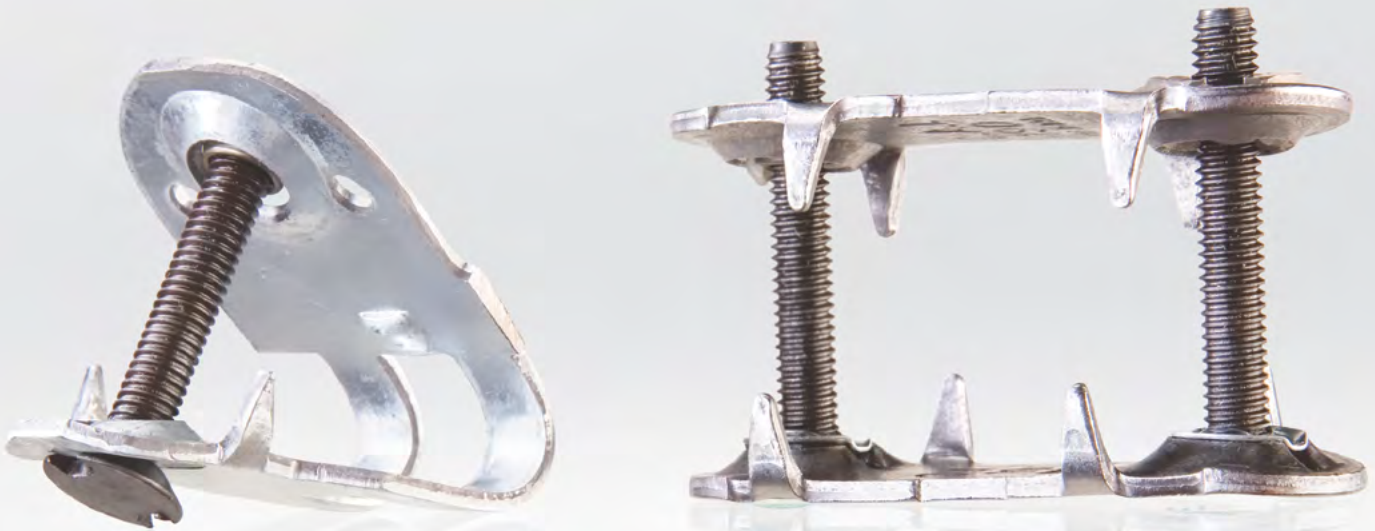
PLATEGRIP™



For use with high-tensile and PVC belting. Designed with broader, heavier teeth for a stronger joint and reduced strain behind the splice.

The teeth overlap the edges of the plates and provide extra holding power on thin belts. Passing smoothly over conveyor pulleys, Plategrip fasteners allow natural troughing of belts and smooth operation on both sides, through trippers and scrapers, as well as over crowned or takeup pulleys.

All buckets of solid plate fasteners have pre-assembled bolts and bottom plates that utilize our patented system, which includes the use of a special thin metal washer to clinch the bolt to the bottom plate during installation of the belt fasteners. This has proven to be superior to the use of plastic or nylon washers, which can slide along the bolt threads.



PLATEGRIP



Plategrip Fasteners can be used on belts of any width and of varying thicknesses. They are available in a broad variety of standard and special metals to ensure long life, resistance to corrosion, and exceptional tolerance to abrasive materials.

25 STEEL SETS

NUMBER	PRICE
1E	\$40.00
140E	47.92
190E	54.82
1¼E	53.14
1½E	49.92
2E	63.36
2¼E	141.90
2½*	79.26
3*	83.30

*10 Sets/Box

100 STEEL SETS

NUMBER	PRICE
1C	\$159.94
140C	191.04
190C	219.24
1¼C	216.52
1½C	199.58
2C	253.42
2¼C	584.66
2½L*	396.18
3L*	416.28

*50 Sets/Bucket

25 SETS STAINLESS TOP PLATES BALANCE STEEL

NUMBER	PRICE
1EST	\$71.20
140EST	128.66
190EST	158.66
1½EST	127.34
2EST	177.40
2¼EST	386.78

25 SETS STAINLESS TOP AND BOTTOM PLATES

NUMBER	PRICE
1ES	\$215.98
140ES	308.58
190ES	359.24
1½ES	307.78
2ES	384.24
2¼ES	705.26

100 STAINLESS SETS TOP AND BOTTOM PLATES

NUMBER	PRICE
1CS	\$863.88
140CS	1,234.26
190CS	1,436.96
1½CS	1,231.04
2CS	1,536.94
2¼CS	2,821.00

PACKAGING & INSTALLATION

Es are shipped in easy-to-handle boxes of 25 sets, bottom plates assembled with sufficient top plates, nuts, template nails, and instructions. Multiple boxes are shipped in over-cartons containing four or eight boxes.

Cs are shipped in watertight buckets of 100 assembled bottom plates with sufficient top plates, nuts, template nails, and instructions. Bucket Opener pricing can be found on page 45.

Ls are shipped in watertight buckets of 50 assembled bottom plates with sufficient top plates, nuts, template nails, and instructions.



INSTALLATION TOOLS ARE SHOWN ON PAGES 8 TO 11.



25 SETS DURGARD TOP PLATES BALANCE STEEL

NUMBER	PRICE
1EDT	\$78.20
140EDT	72.80
190EDT	81.06
1¼EDT	82.00
1½EDT	75.30
2EDT	95.50
2¼EDT	217.72
2½EDT*	124.16
3DT*	130.46

*10 Sets/Box

100 SETS DURGARD TOP PLATES BALANCE STEEL

NUMBER	PRICE
1CDT	\$312.84
140CDT	291.24
190CDT	324.16
1¼CDT	327.98
1½CDT	301.16
2CDT	381.94
2¼CDT	870.76
2½LDT*	620.80
3LDT*	652.28

*50 Sets/Bucket

25 SETS DURGARD TOP AND BOTTOM PLATES

NUMBER	PRICE
1ED	\$84.68
140ED	92.96
190ED	101.64
1¼ED	105.02
1½ED	95.52
2ED	121.08
2¼ED	276.04
2½D*	154.92
3D*	162.78

*10 Sets/Box

100 SETS DURGARD TOP AND BOTTOM PLATES

NUMBER	PRICE
1CD	\$338.68
140CD	371.74
190CD	406.46
1¼CD	420.02
1½CD	382.05
2CD	484.22
2¼CD	1,104.02
2½LD*	774.60
3LD*	813.96

*50 Sets/Bucket

SELECTING SIZE, QUANTITY & METAL

The two keys to selecting proper size are belt thickness and pulley diameter. This chart indicates the Plategrip belt fastener size number for various combinations of belt thickness and pulley diameter.

MIN. PULLEY DIAMETER	BELT THICKNESS	PIW	PLATEGRIP SIZE
12"	3/16"-7/16"	150	1
14"	3/16"-7/16"	225	140
18"	5/16"-9/16"	375	190
14"	3/8"-1/2"	150	1¼
18"	7/16"-11/16"	300	1½
30"	9/16"-13/16"	440	2
36"	9/16"-13/16"	620	2¼
42"	3/4"-1"	450	2½
48"	≥15/16"	560	3

A 90° splice is generally used where pulley diameter and belt thickness correspond to recommendations in the chart above.

The 45° splice should be used where pulley diameters are smaller than the recommended minimum diameter. The 45° splice will reduce flexing of belts behind the fastener and has the same strength as the corresponding 90° splice.

NUMBER OF FASTENER SETS REQUIRED FOR VARIOUS BELT WIDTHS

SIZE NO.	1, 140, 190		1¼, 1½, 2, 2¼		2½, 3	
	90°	45°	90°	45°	90°	45°
12"	10	12	8	10	6	7
16"	13	17	10	14	8	10
18"	15	19	12	16	9	12
20"	16	22	13	18	10	13
24"	20	26	16	21	13	17
26"	22	29	17	23	14	18
28"	23	31	18	25	15	20
30"	25	33	20	27	16	21
36"	30	41	24	33	19	26
42"	35	48	28	39	22	31
48"	40	55	32	44	26	35
60"	50	69	40	55	32	44
72"	60	83	48	68	39	53

STEEL is the most common and economical belt fastener material and is the standard for most applications. Steel fasteners are manufactured in a broad variety of sizes and shapes, and are suitable for use in new equipment or as replacement fasteners.

DURGARD is a special heat-treated steel with abrasion-resistant characteristics that provide several times the life of standard steel. Durgard Plategrip fasteners are not recommended for use in highly corrosive environments, but are instead specially formulated for abrasive situations.

STAINLESS STEEL fasteners are best for applications where erosion is a major problem. Stainless steel is more resistant to abrasions, acids, chemicals, and magnetic attraction than standard steel. Plategrip fasteners are available in complete stainless steel sets, or with the top plate made of stainless steel and the balance standard steel.



Hinged Plategrip™ Fasteners are ideally suited for applications where the loading and delivery points frequently change, such as mine, pit, quarry, and construction sites.

A compression-type fastener secured by bolts, the Hinged Plategrip provides tremendous holding power with good troughing action, while being readily separable after easy installation.

Note: Each matched set contains one complete joint with hinge pin, nuts and bolts, and filler tubing included.

STEEL MATCHED SETS

NUMBER	PRICE
X550-16	\$41.88
X550-18	44.38
X550-20	52.02
X550-24	56.92
X550-26	64.54
X550-30	72.86
X550-36	88.80
X550-42	104.66
X550-48	120.60
X550-54	136.56
X550-60	152.46
X550-72	198.02

STEEL MATCHED SETS

NUMBER	PRICE
X375-12	\$38.04
X375-14	44.92
X375-16	51.72
X375-18	58.60
X375-20	65.44
X375-24	73.04
X375-26	79.88
X375-30	93.56
X375-36	114.08
X375-42	134.62
X375-48	155.14
X375-60	215.84

STEEL BULK PACKS (INCLUDES NUTS AND BOLTS)

NUMBER	DESCRIPTION	PRICE
X375-2	25 SETS	\$138.12
X375-3	18 SETS	149.14
X550-1	50 SETS	154.90
X550-3	18 SETS	167.24

STAINLESS MATCHED SETS

NUMBER	PRICE
X550-16S	\$153.14
X550-18S	167.86
X550-20S	191.36
X550-24S	214.36
X550-26S	248.78
X550-30S	275.02
X550-36S	335.62
X550-42S	396.28
X550-48S	456.96
X550-54S	516.56
X550-60S	607.06

STAINLESS MATCHED SETS

NUMBER	PRICE
X375-12S	\$138.54
X375-18S	207.86
X375-24S	265.40
X375-30S	340.58
X375-36S	415.70
X375-42S	490.84
X375-48S	566.04
X375-60S	751.80



INSTALLATION TOOLS ARE SHOWN ON PAGES 8 TO 11.

STAINLESS STEEL BULK PACKS (INCLUDES NUTS AND BOLTS)

NUMBER	DESCRIPTION	PRICE
X375-2S	25 SETS	\$570.82
X375-3S	18 SETS	616.48
X550-1S	50 SETS	684.60

DURGARD BULK PACKS (INCLUDES NUTS AND BOLTS)

NUMBER	DESCRIPTION	PRICE
X550-1D	50 SETS	\$396.86

DURGARD

NUMBER	PRICE
X550-18D	\$107.82
X550-24D	138.02
X550-30D	176.78
X550-36D	215.54
X550-42D	254.28
X550-48D	293.06
X550-60D	369.38

Hinge Pins are made of steel cable covered in nylon, the standard for long wear. Alternatives include bare steel or stainless steel.

NUMBER	STYLE
NC	NYLON-COVERED STEEL CABLE
NCS	NYLON-COVERED STAINLESS CABLE
SC	BARE STEEL CABLE
SSC	BARE STAINLESS STEEL CABLE

Order by specifying type of pin and width of belt. Example: NC-36

STEEL CABLE

SIZE	NC	SC
12"	\$6.30	\$4.90
14"	6.50	5.16
16"	6.54	5.44
18"	6.60	6.50
20"	7.68	7.22
24"	8.82	9.06
26"	9.56	9.38
30"	11.02	11.30
36"	13.02	12.90
42"	15.36	15.74
48"	17.54	18.04
54"	19.72	19.34
60"	21.98	21.50
72"	23.52	25.74

SELECTING SIZE AND METAL

HINGED PLATEGRIP SPECIFICATIONS

MIN. PULLEY DIAMETER	BELT THICKNESS	PIW	SIZE
6"	1/4"–13/32"	200	X375
9"	1/4"–5/8"	300	X550

STEEL is the most common and economical belt fastener material. It is the standard for most applications. Steel fasteners are plated to resist moisture and are available in matched sets ordered by width of belt or as X550-1, X550-3, X375-2, or X375-3, in bulk packs.

DURGARD is a special heat-treated steel with abrasion-resistant characteristics that provide several times the life of standard steel. Hinged Durgard fasteners are not recommended for use in corrosive environments, but are instead specially formulated for abrasive situations.

STAINLESS STEEL fasteners—nickel and chrome alloy—are best for applications where erosion is a major problem. Stainless steel is more resistant to abrasions, acids, chemicals, and magnetic attraction than standard steel. Plategrip fasteners are available in complete stainless sets.

STAINLESS STEEL CABLE

SIZE	NCS	SSC
16"	\$12.40	\$13.06
18"	13.38	15.72
20"	14.30	18.66
24"	16.60	21.66
26"	18.66	22.58
30"	23.18	23.52
36"	27.84	28.24
42"	33.60	37.78
48"	30.08	43.20
54"	41.72	46.84
60"	46.40	52.04
72"	54.86	56.52

Custom Installation Tools

All tools are engineered for ease of use for installation by means of either hand tools or power-assisted tools. Proper installation will yield the best life from your belt splice.

TOOL SELECTOR



FASTENER SIZE	BOLT BREAKER	BORING BIT	POWER BORING BIT	HAND PUNCH	POWER PUNCH	SPANNER WRENCH	POWER HEX SPANNER	POWER SOCKET SPANNER	POWER HEX WRENCH	POWER SOCKET WRENCH	HAND HEX WRENCH
1, 140, 190, X550*, X375*, RP1	1	1B	1PB	10	11	S1S	PS1	P612	PH160	SP160S	S100
1¼, 1½, 2, 2¼, RP2	2	2B	2PB	20	22	S2S	PS2	P614	PH180	SP180S	—
2½, 3	3	3B	3PB	30	33	S3S	PS3	P616	—	—	—

*Note: X375 and X550 steel fasteners require the use of the PH160 or S100 to tighten nuts. X375S and X550S stainless steel fasteners require the use of the PS1 or P612 to tighten nuts.

Bolt Breaker

Used to break off excess bolt above fastener after assembly. Sold in packs of two.

NUMBER	PRICE
#1	\$37.48
#2	37.48
#3	42.28

Power Boring Bit

Bores bolt holes in belting. Belt slugs eject through open slot.

NUMBER	PRICE
#1PB	\$39.62
#2PB	39.62
#3PB	40.34

Boring Bit

Bores holes in all materials. Slot eases removal of scrap.

NUMBER	PRICE
#1B	\$39.62
#2B	39.62
#3B	40.34

Hand Punch

Punches bolt holes in belting material. Wear eye protection when striking punch.

NUMBER	PRICE
#10	\$25.78
#20	25.78
#30	31.24

Power Punch

Bores bolt holes in toughest material. Tapered hole ejects belt slugs.

NUMBER	PRICE
#11	\$24.26
#22	24.26
#33	34.82

Spanner Wrench

For use with carpenter's brace to tighten nuts.

NUMBER	PRICE
S1S	\$27.36
S2S	27.36
S3S	36.20

Power Hex Spanner

Special heat-treated steel ensures long life. Hex drive designed for use with 5552 Chuck. Includes steel nut sleeve.

NUMBER	PRICE
PS1	\$37.36
PS2	37.36
PS3	44.92

Power Socket Spanner

Used with hand ratchet SKCU-RAT or power drive tool, these sockets are used where spanner is preferred to hexagonal drive.

NUMBER	PRICE
P612	\$51.76
P614	51.76
P616	51.76

Power Hex Wrench

Has hex opening instead of spanner. Made with 7/16" hex male top.

NUMBER	PRICE
PH160	\$38.20
PH180	38.20

Power Socket Wrench

Long-life socket wrenches are made of alloy steel and are heat-treated.

NUMBER	PRICE
SP160S	\$42.48
SP180S	42.48

Hand Hex Wrench

For use with carpenter's brace to tighten nuts.

NUMBER	PRICE
S100	\$38.22

TOOL KITS

These special tools are offered in convenient money saving kits for both Plategrip and Hinged Plategrip. Each kit includes two Bolt Breakers, one Power Punch, and one Power Wrench.

All tool kits include a Power Hex Spanner except the TK-550, which requires a Power Hex Wrench PH160.

NUMBER	USE WITH	PRICE
TK1	1, 140, 190 & RP1	\$90.16
TK2	1¼, 1½, 2, 2¼ & RP2	90.16
TK3	2½, 3	111.12
TK375S/550S	HINGED PLATEGRIP X375, X550 STAINLESS STEEL	90.12
TK375/550	HINGED PLATEGRIP X375, X550 STEEL	97.72

Quick Change Chuck

Adapts 1/2" square male drive power tool for tools with 7/16" male hexagonal tops.



	NUMBER	PRICE
	5552	\$90.66

Impact Wrench Kit

A battery-powered impact wrench to use with the 5552 Quick Change Chuck to punch holes and tighten nuts. Complete with 1/2" impact driver, two batteries, charger, and carrying case. 4.6 lbs. and 18 V. Bosch® three-year warranty.



	NUMBER	PRICE
	22618	\$767.24

Templates

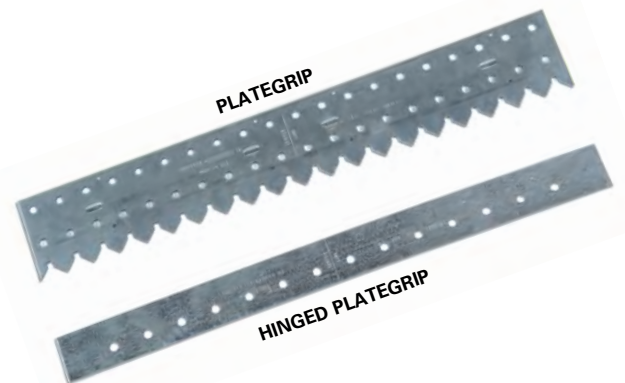
Furnished 90° unless otherwise specified. Curved templates are used only with X375 and X550 Plategrip fasteners. In ordering templates, always show size of fastener and width of belt.

Examples: one No.190 Template 30" = 190T-30"

X375 Template 36" = 336

X550 Template 36" = 536

BELT WIDTH	PLATEGRIP		HINGED PLATEGRIP CURVED	
	90°	45°	X375	X550
12"	\$33.40	\$33.40	\$53.34	\$47.32
14"	33.40	33.40	53.34	47.32
16"	33.40	33.40	53.34	47.32
18"	33.40	43.30	53.34	47.32
20"	33.40	43.30	53.34	47.32
24"	33.40	52.02	53.34	47.32
26"	—	—	57.80	51.40
30"	43.30	69.32	66.64	59.32
36"	52.02	87.82	79.98	71.18
42"	60.64	114.28	93.32	83.00
48"	69.32	114.28	106.46	94.86
54"	87.82	—	—	106.72
60"	95.26	—	133.28	118.58
72"	114.28	—	—	—



Repair Plates are used to prolong life of belts that have been torn, require patching of worn spots, or have "soft spots." Repair plates should be used only across the belt and never applied so they travel lengthwise over the pulley.



NUMBER	DESCRIPTION	PRICE
RP1E	25 SETS	\$107.86
RP2E	25 SETS	146.02
RP1C	100 SETS	444.42
RP2C	100 SETS	601.54

Belt Tape 100' Roll

For eliminating ripples and sealing splices.



NUMBER	DESCRIPTION	PRICE
P7	1, 140, 1¼	\$47.74
P11	190, 1½, 2, X550	65.52

Nut Buster

Allows replacement of selected plates, such as under skirt board wear points, by busting nuts from bolt assembly.



NUMBER	PRICE
NB1	\$71.16
NB2	71.16
NB3	71.16

SHIPPING WEIGHT

PLATEGRIP SHIPPING WEIGHT (LBS.)

SIZE	10 SETS	25 SETS	100 SETS
1	–	2.8	11.0
140	–	4.0	16.0
190	–	4.9	19.6
1¼	–	4.8	19.5
1½	–	5.5	22.0
2	–	7.5	30.0
2¼	–	10.8	42.3
2½	6.4	–	64.0
3	7.0	–	70.0
RP1	–	4.5	18.0
RP2	–	9.8	39.0

HINGED PLATEGRIP SHIPPING WEIGHT (LBS.)

SIZE	WEIGHT	SIZE	WEIGHT
X375-18	3.3	X550-18	3.3
X375-24	4.0	X550-24	4.3
X375-26	4.5	X550-26	4.9
X375-30	5.1	X550-30	5.5
X375-36	6.3	X550-36	6.5
X375-42	7.3	X550-42	7.8
X375-48	8.3	X550-48	8.8
–	–	X550-54	9.9
X375-60	10.2	X550-60	10.5

Extra Supplies

Plategrip Steel Nuts

Price per 100.

NUMBER	PRICE
1N	\$35.58
140N	35.58
190N	35.58
1¼N	44.36
1½N	44.36
2N	44.36
2¼N	44.36
2½N	156.90
3N	156.90
RP1N	35.58
RP2N	44.36

Plategrip Steel Bolts

Price per 100.

NUMBER	PRICE
1B	\$42.62
140B	42.62
190B	42.62
1¼B	46.82
1½B	46.82
2B	46.82
2¼B	46.82
2½B	82.38
3B	82.38
RP1B	42.62
RP2B	46.82

Plategrip Stainless Steel Nuts

Price per 100.

NUMBER	PRICE
1NS	\$225.10
140NS	225.10
190NS	225.10
1½NS	247.68
2NS	247.68
2¼NS	247.68

Plategrip Stainless Steel Bolts

Price per 100.

NUMBER	PRICE
1BS	\$141.82
140BS	141.82
190BS	141.82
1½BS	175.06
2BS	175.06
2¼BS	175.06

Hinged Plategrip Steel Extra Supplies

Extra supplies for use with X375 and X550.

NUMBER	DESCRIPTION	PRICE
X375N	NUTS 100/PACK	\$36.78
X375B	BOLTS 100/PACK	42.62
X550N	NUTS 100/PACK	36.78
X550B	BOLTS 100/PACK	42.62
X550C	CLIPS 100/PACK	56.30
X550FT	FILLER TUBING/FOOT	0.50
X550NC	CABLE/FOOT	2.36
X550RW	RETAINER WASHERS 50/PACK	7.80

Hinged Plategrip Stainless Steel Extra Supplies

Extra supplies for use with X375S and X550S.

NUMBER	DESCRIPTION	PRICE
X375NS	NUTS 100/PACK	\$225.10
X375BS	BOLTS 100/PACK	141.82
X550NS	NUTS 100/PACK	225.10
X550BS	BOLTS 100/PACK	141.82
X550NCS	CABLE/FOOT	5.42